

PATENT/DESIGN PATENT

DECLARATION

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HEAT D	IVEN ACOUSTIC	ORIFICE	TYPE	PULSE	TUBE	CRYOCOOLER
		(Insert i	nventión titi	le)		
the specification	of which is attached here	o or, if not attac	ched, was	filed as In	ternation	al Application No.
PCT'/	on, 19	, designating	the Unite	ed States. (Insert PCT	ser. no. and filing date if applicable)
including the cla	I hereby state that I have ms, as amended by any a					above identified specification aration.
this application	I acknowledge the duty a accordance with Title 3					be material to patentability of
	patent or inventor's certi	ficate designate	d below a	ind have al	so identi:	Code, §119, of the foreign fied below any foreign dication on which priority is

(List prior foreign applications)

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
KR	10-2002-0048381	16 August 2002	YES - NO
			□ YES □ NO
			□ YES □ NO

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Declaration - additional inventor sheet



PATENT/DESIGN PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: KIM, Ig Saeng; KIM, Chun Dong; LEE, Chang Ho;

KIM, Kyun Seok; and KIM, Do Hyung

Title: HEAT DRIVEN ACOUSTIC ORIFICE TYPE PULSE

TUBE CRYOCOOLER

POWER OF ATTORNEY (ASSIGNEE FORM)

Filing Date:

August 18, 2003

Serial No.:

10/643,239

Docket No.:

S40.2-11278-US01

(Filing date, serial number and docket number may be left blank at time of signing)

The below named Assignee of the entire interest of the above identified patent application, filed concurrently herewith or for which the docket no., filing date and application number may be inserted above by any attorney of Vidas Arrett & Steinkraus, P.A., when known, hereby appoints the following attorneys to prosecute this application and any application claiming priority therefrom; to execute any terminal disclaimers; and to transact all business in the Patent and Trademark Office connected therewith and with any patent issuing therefrom:

Oliver F. Arrett	Reg. No. 22,117
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all of VIDAS, ARRETT & STEINKRAUS, Professional Association, Suite 2000, 6109 Blue Circle Drive, Minnetonka, Minnesota 55343, USA, Telephone (612) 563-3000, and I hereby authorize them to act and rely on instructions from, and to communicate directly with, the firm or person which sent this case to VIDAS, ARRETT & STEINKRAUS unless or until I instruct VIDAS, ARRETT & STEINKRAUS in writing to the contrary. I have authority to execute this document on behalf of the Assignee.

Date August 14,200 & Jame of Assignee)

LG CABLE LTD.

(Signature)

(Title)

By: HAN. Dong-Kyu

lts: President

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